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(30) Priority: 20.12.1996 US 33543 P

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**(54) Improvements in or relating to security systems**

(57) The invention consists of attaching or embedding a "TIRIS" transponder (or other RF or IR or bar-code or other identifying device) physically into the center of the proposed DVD disk. Once a disk is input to a media player, the interrogation portion of the media player transmits an interrogation signal to the transponder located on the disk. Once empowered with the interrogation signal, the transponder accesses the predetermined address, code word, encryption algorithms, media type information, and copyright information from its memory. Then the transponder transmits the address, the code word, encryption algorithms, media type information and copyright information to the interrogator, located within the media player, and the interrogator sends the transponder data stream to a conditional access management processor (CAMP). Simultaneously with the processing action of the CAMP, the interrogator instructs the player to access the data word at the predetermined address on the disk and the player accesses the data word on the disk. The media player only plays if there is a match between the read data word and received code word and the received algorithm correctly decrypts the content of the media prior to decoding.

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Block Diagram of DVD Player (ROM Type for Published Media) + TIRIS cypher

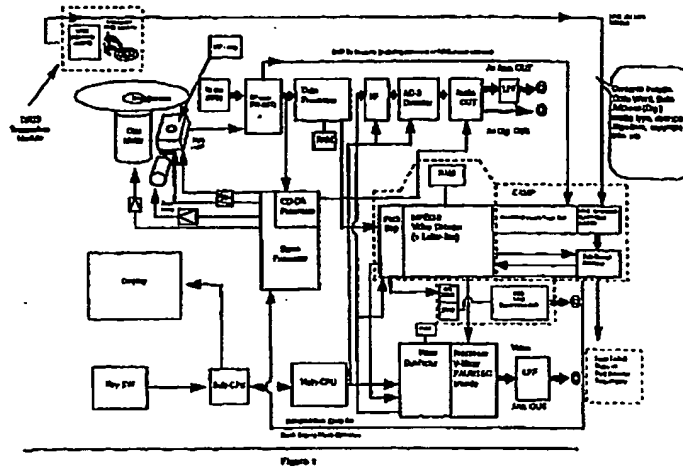


Figure 1

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## EUROPEAN SEARCH REPORT

Application Number  
EP 97 12 2526

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|   |  | -/--  |   |
| The present search report has been drawn up for all claims  |  |   |   |
| Place of search<br><b>THE HAGUE</b>   |  | Date of completion of the search<br><b>1 February 1999</b>  | Examiner<br><b>Barel-Faucheux, C</b>  |
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EPO FORM 1503 03/92 (P4/C6)



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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 12 2526

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| The present search report has been drawn up for all claims   |  |  | TECHNICAL FIELDS<br>SEARCHED (Int.Cl.6)      |
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| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>&amp; : member of the same patent family, corresponding document</p> |  |  |  |

EPO FORM 1503 (12/97) (P44001)



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Application Number  
EP 97 12 2526

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| The present search report has been drawn up for all claims  |   |                                  |  |
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EPO FORM 1503 03 82 (P4/C01)

ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 97 12 2526

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